

Decision Support Briefing

Southeast River Forecast Center



Decision Support Briefing



Issued: 1:12 PM ET Friday, February 10, 2023



Weather Ready Nation



NWSSERFC



@NWSSERFC



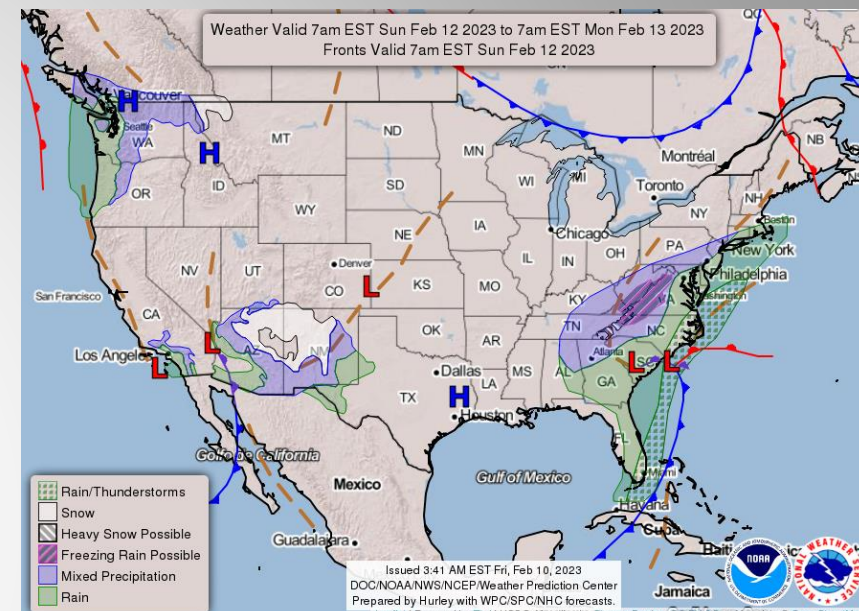
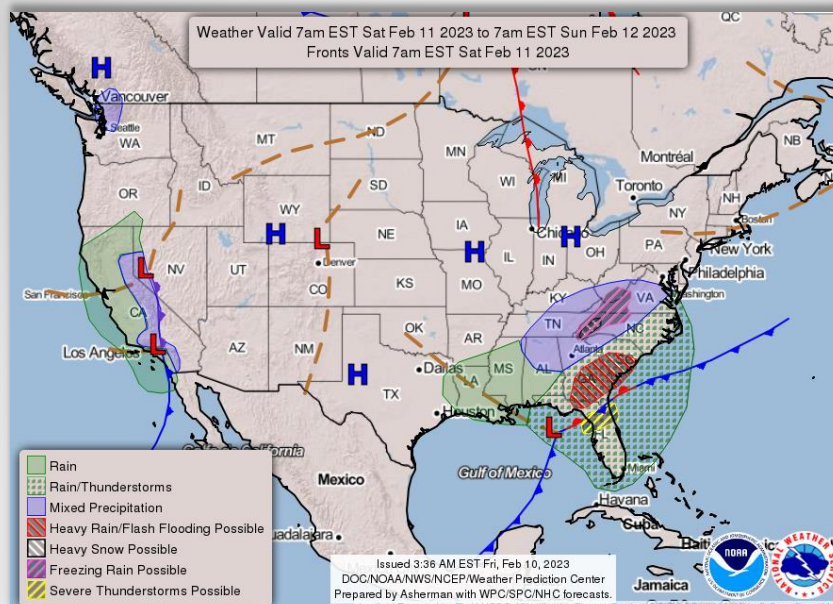
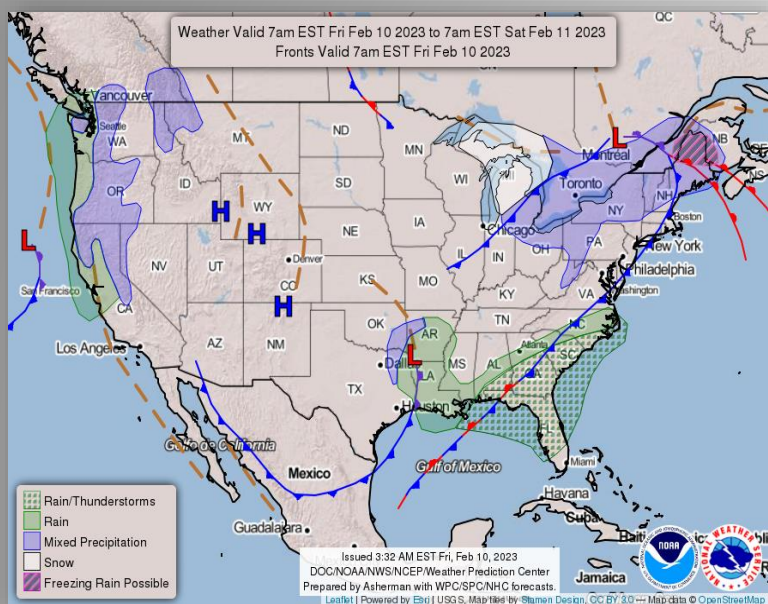
- **Heavy rain moving into the southeast US is expected to produce bankfull and minor river flood rises across the SERFC area.**
- **There is a potential for some moderate river rises from this weekends precipitation.**
- **Next weeks event could make conditions worse across areas that have already received rainfall this weekend. There is still some uncertainty in magnitude and location of each of the events.**
- **Please check back often for updates to forecasts that could impact communities in your area.**

Latest Weather Condition

Decision Support Briefing

Southeast River Forecast Center

Issued February 10, 2023 1:12 PM ET



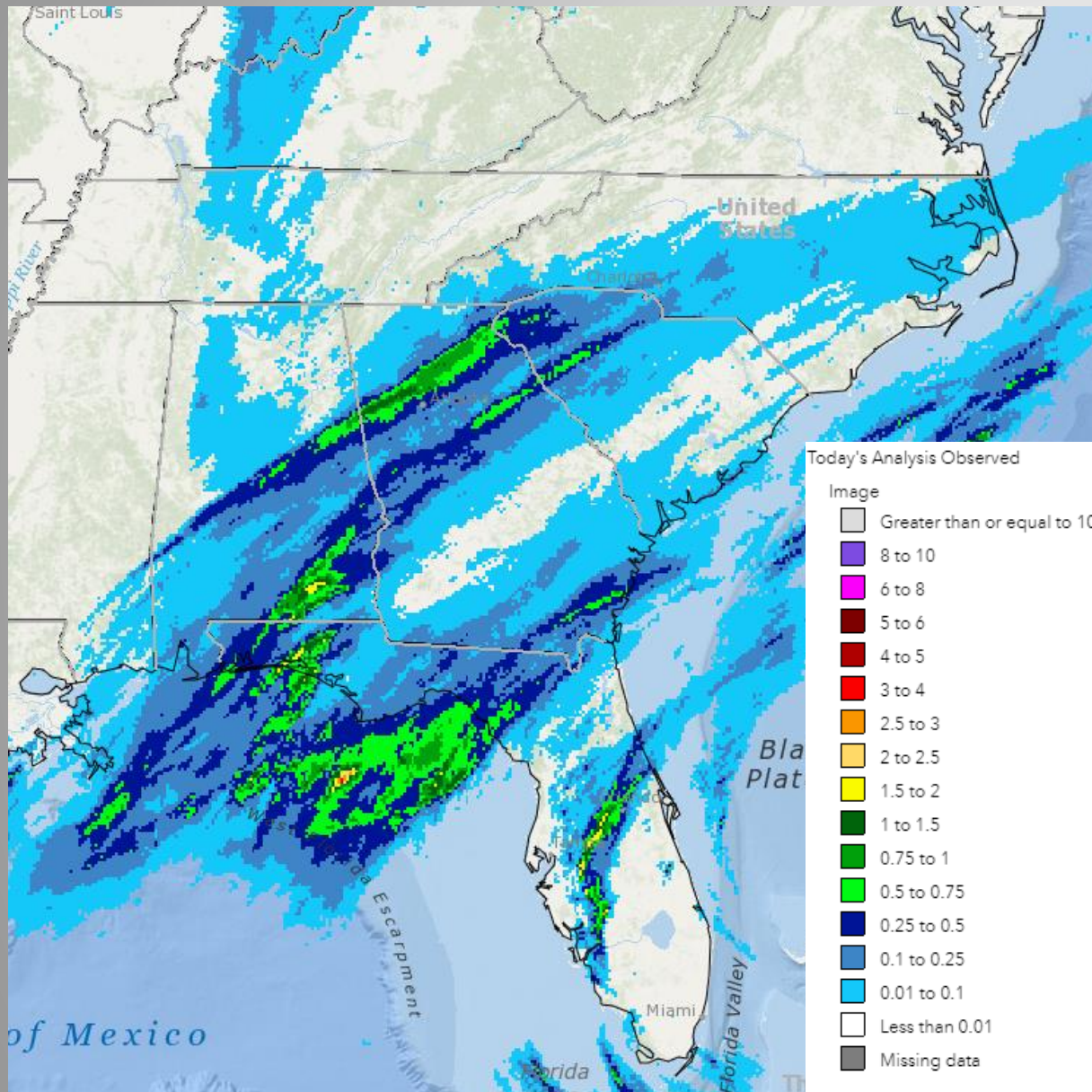
A complex weather system will linger over the southeast US bringing precipitation to the area for most of the weekend. Due to the slow movement of this weather system, it increases the potential for heavy rainfall. Certainty in the location of the rainfall will help determine flood potential.

24 – Hour Precipitation

Ending at 7 am this morning

Southeast River Forecast Center

Issued February 10, 2023 1:12 PM ET

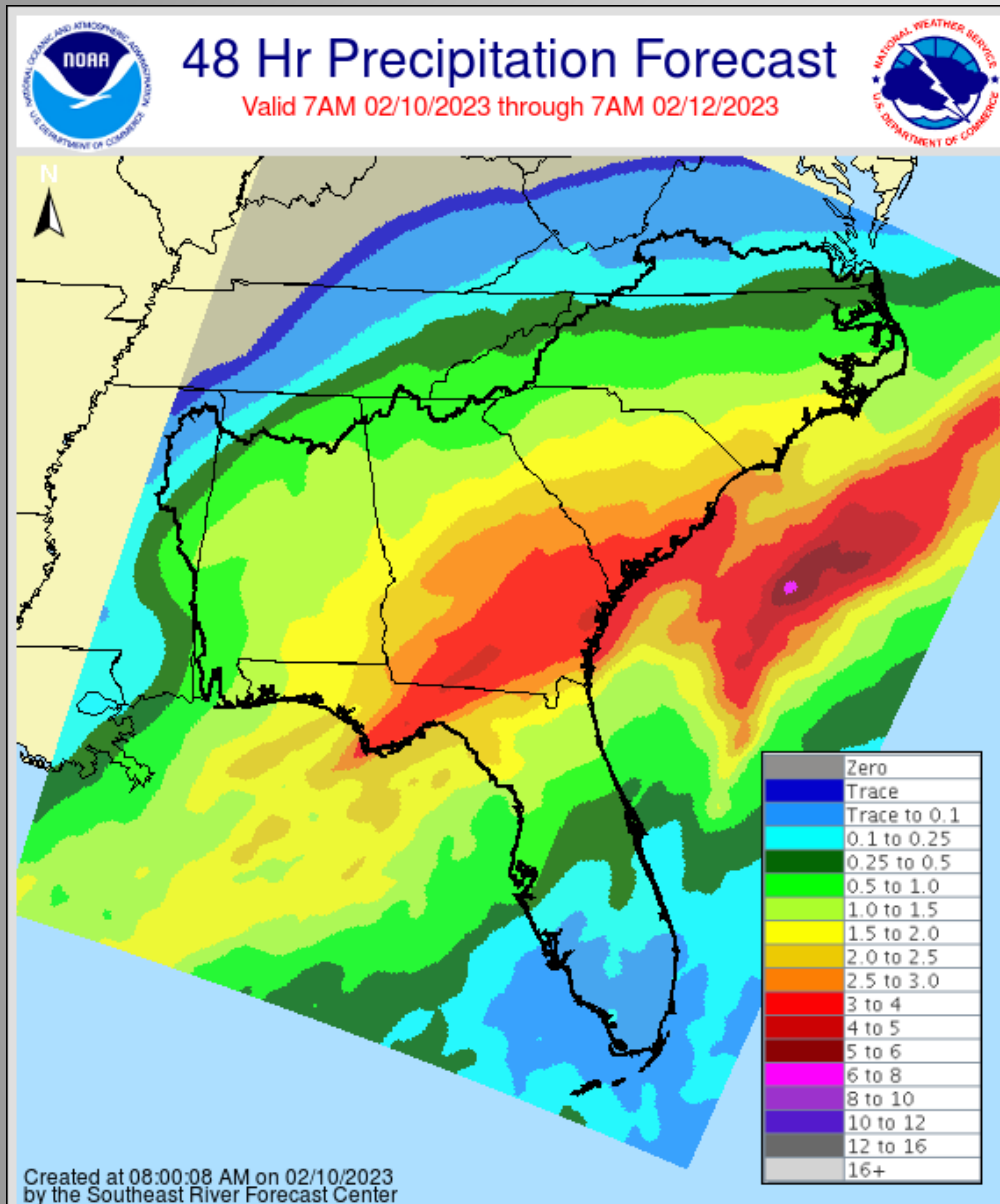


Rain continues as low pressure slowly slides the SERFC area. Heaviest amounts so far have been associated with a frontal system that has stalled.

48-hour Precipitation Forecast

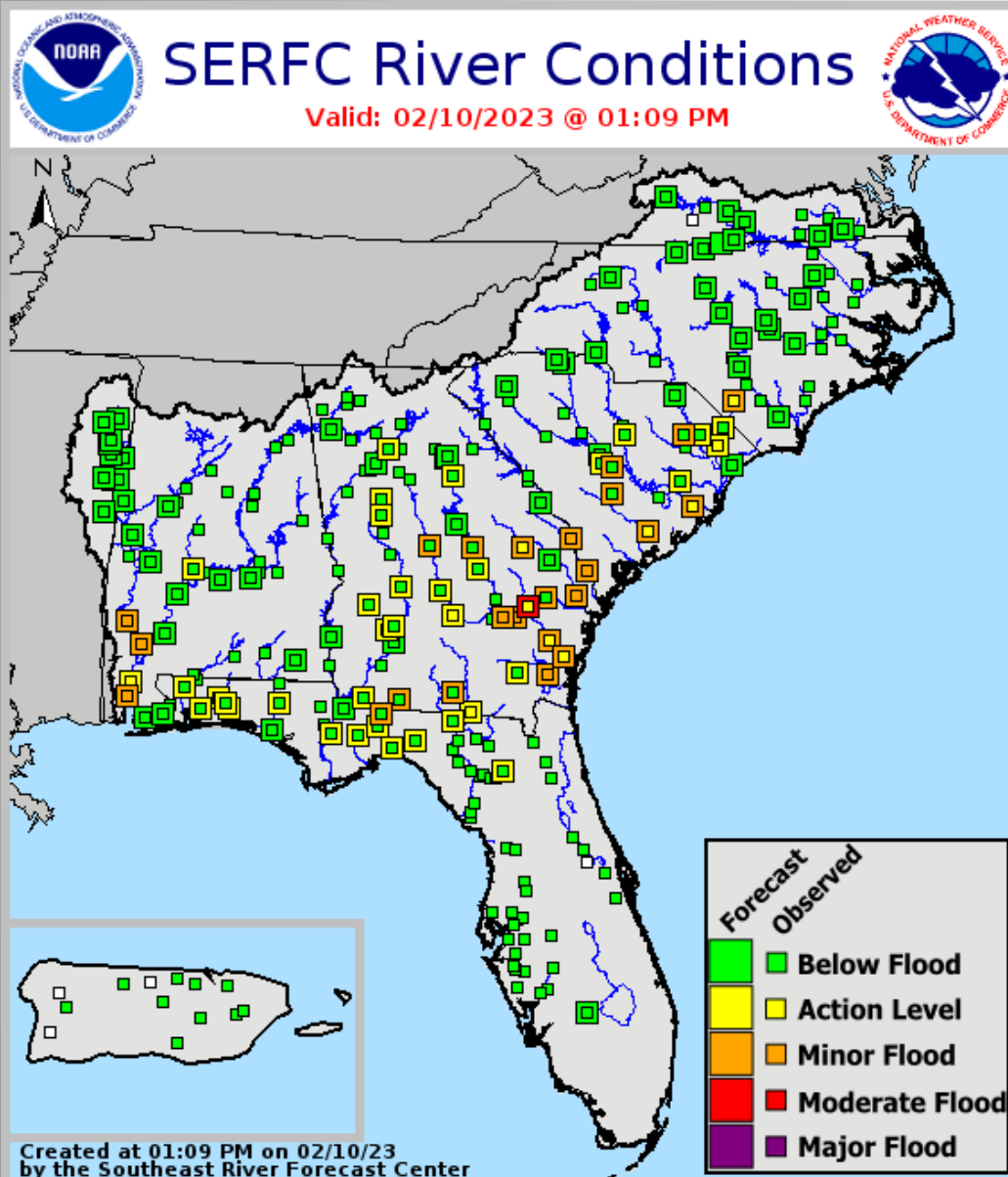
Southeast River Forecast Center

Issued February 10, 2023 1:12 PM ET



Here is the 48-hour rainfall forecast that was included in our river models this morning.

The graphic on the following slide shows river forecasts that reflect both past rainfall and the forecasted rainfall shown here.



Here are the river forecasts issued this morning that include a 48-hour rainfall forecast.

Numerous bankfull and flood stage forecasts are indicated. Many of the forecasts are along both the Gulf and Atlantic coasts.. We have one point forecast to rise to mThe panhandle of Florida is only showing bankfull rises at this timeoderate flood stage in southeast Georgia.

Several points that have been in flood from recent rainfall in Georgia and South Carolina will likely rise again and remain in flood for a longer period of time.

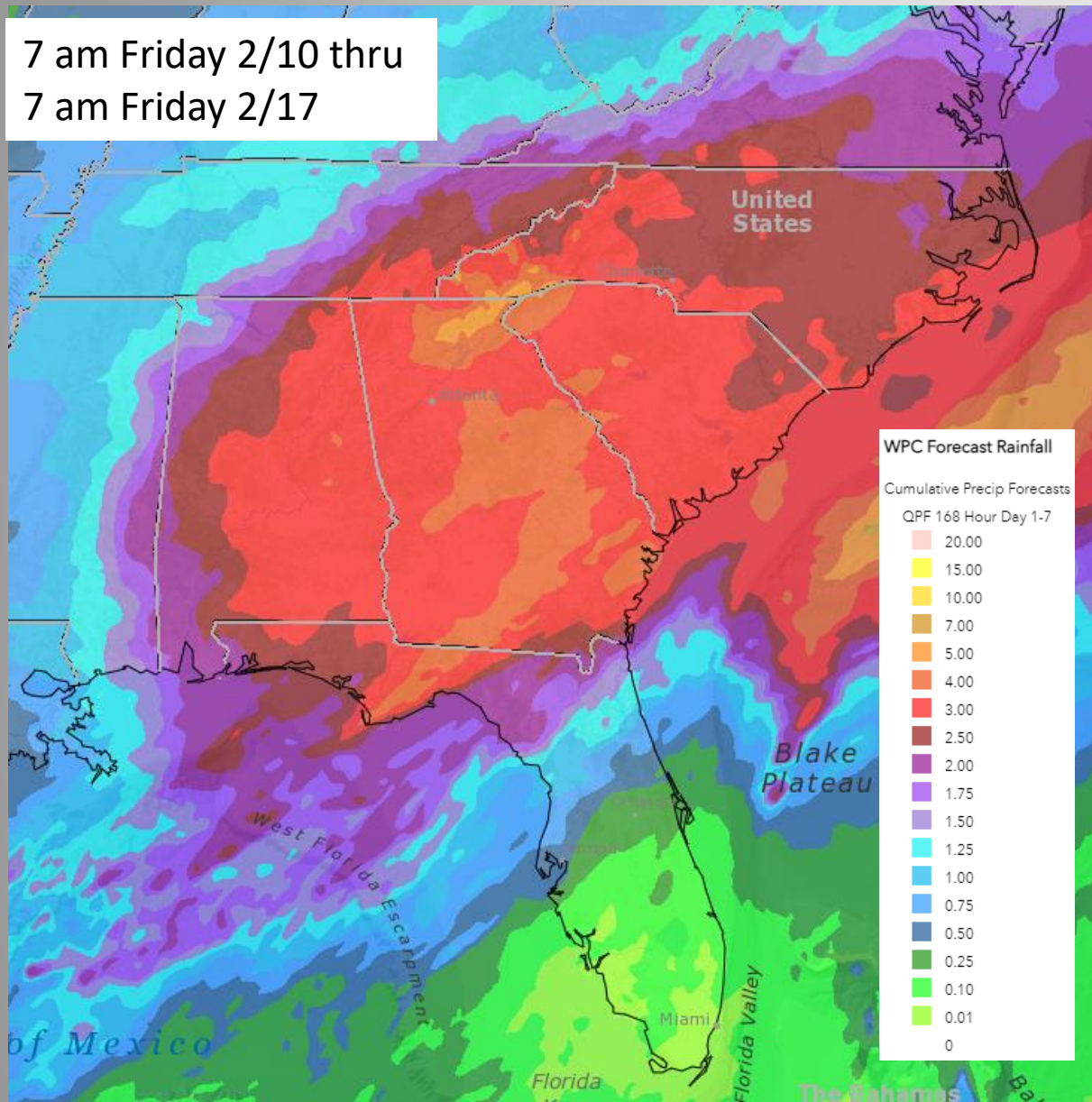
7-Day Precipitation Forecast

Southeast River Forecast Center

Issued February 10, 2023 1:12 PM ET

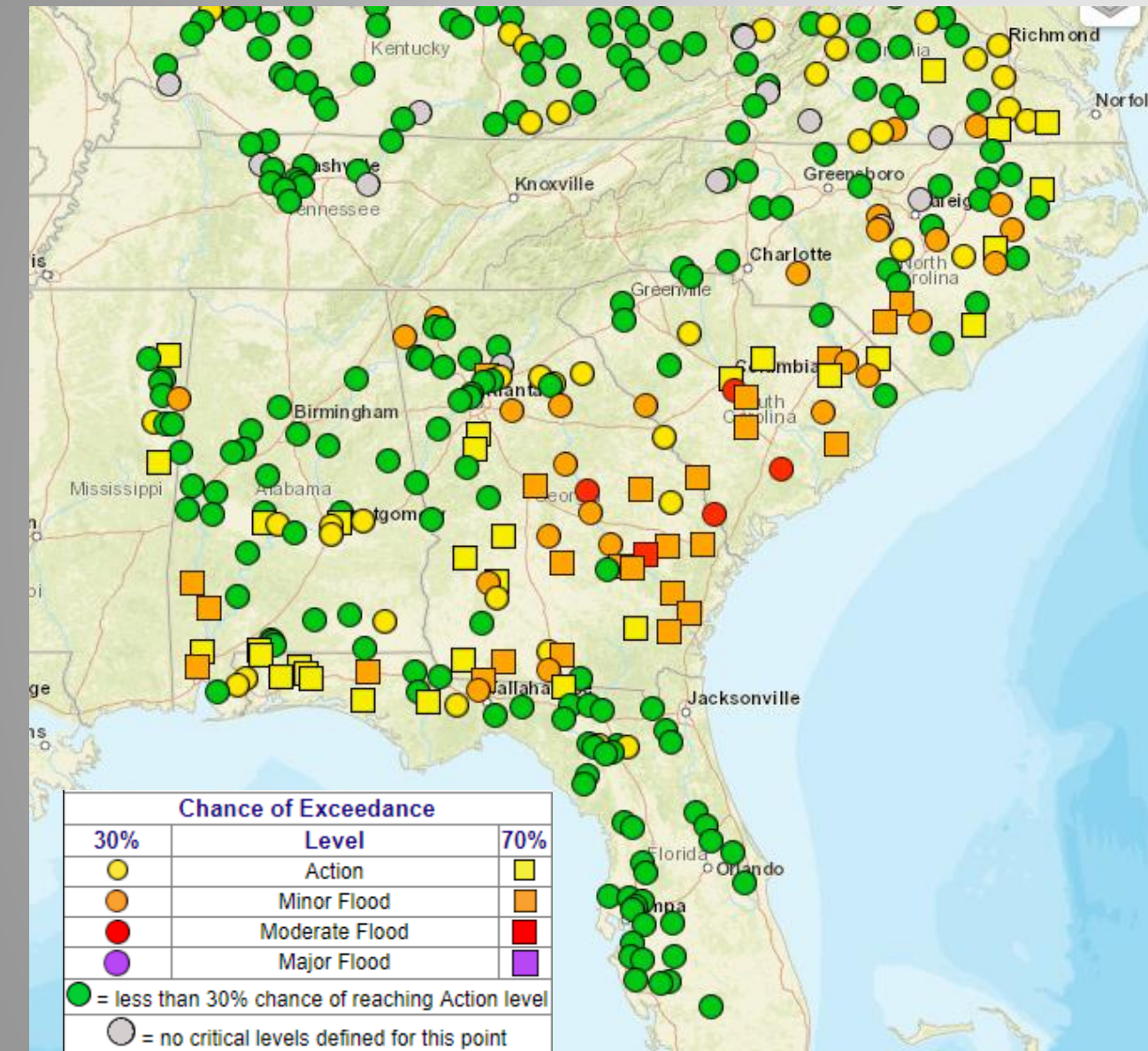


7 am Friday 2/10 thru
7 am Friday 2/17



This weekends event will produce high rainfall totals in the area. The longer range outlook that stretches into next week indicates another potentially heavy rainfall event.

The two consecutive events could increase river flows and stages even more. While there is still some uncertainty in the magnitude and location of the rain next week, because of the rain this weekend, most of the southeast will remain at risk for flooding.



The Meteorological Model Ensemble Forecast System (MMEFS), to the left, is using the NAEFS model and addresses uncertainty in the longer lead rainfall forecast that helps to provide a confidence level for potential flooding. The NAEFS runs in our model every 12 hours.

The model indicates numerous points that could rise to minor and moderate flood stage across the whole SERFC area during the coming week.

To take a closer look, here is the link to more detailed information:

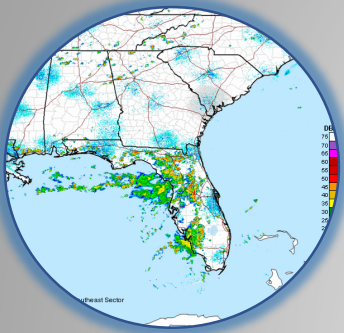
<https://www.weather.gov/erh/mmefs>



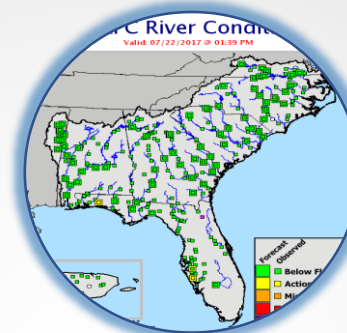
- SERFC will remain on normal operations but could transition to extended hours this weekend. Please contact us if you have any questions or concerns.
- The Daily Operational Support message will continue until further notice.

**Latest River Stages and Forecasts
are available...click here!**

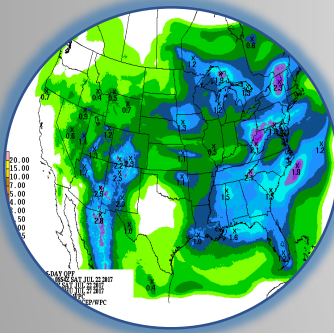
Please send all operational correspondence to
sr-alr.rivers@noaa.gov or call the office directly.



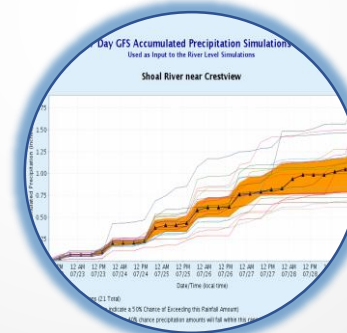
[Latest Radar](#)



[SERFC Quick Brief](#)



[Latest Forecast Rainfall](#)



[MMEFS – Ensemble River Forecasts](#)



- *The Decision Support Briefing will continue until further notice.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email sr-alr.rivers@noaa.gov or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*